HOME ASSIGNMENT

6/7/21

(1) Define Pollination. Why it is necessary.

Ans → * Pollination is the process in which the pollen grains from the anthers are transferred to the stigma of a flower of the same species.

* It is necessary for the production of fruits and seed of the species of the plant.

(2) Differentiate between self and cross Pollination.

Ans →

SELF POLLINATION	CROSS POLLINATION
* It occurs either within the same flower or between 2 flowers on the same plant.	* It occurs between two flowers on different plants of the same species.

SELF POLLINATION	CROSS POLLINATION
* It occurs in the flowers which are genetically identical.	* It occurs between flowers which are genetically different.
* This process don't need pollinators.	* This process need pollinators.
* It produces limited amounts of pollen grains.	* It produces large amounts of pollen grains.
* Few species that exhibit self-pollination - Thaliana, Parishii.	* Few species that exhibit cross-pollination- pumpkins, apples.

(b) Why rose is said to be insect pollinated flower?

Ans→ Rose has colourful, scented petals to attract insects, nectar as food for insects & sticky pollen grains so that it would stick to the body parts of the insects suitable for the Plant Pollination.